

Drawing File: W:\2013\15123-VA Shreveport 3rd and 4th Floors\Drawings\5123 EP 102-ET102, EP401 4th Floor.dwg
Plotted By: tlgilead
Plotted Date: May 11, 2015 3:19pm

G

one-eighth inch = one foot

F
one-quarter inch = one foot

E
three-eighths inch = one foot

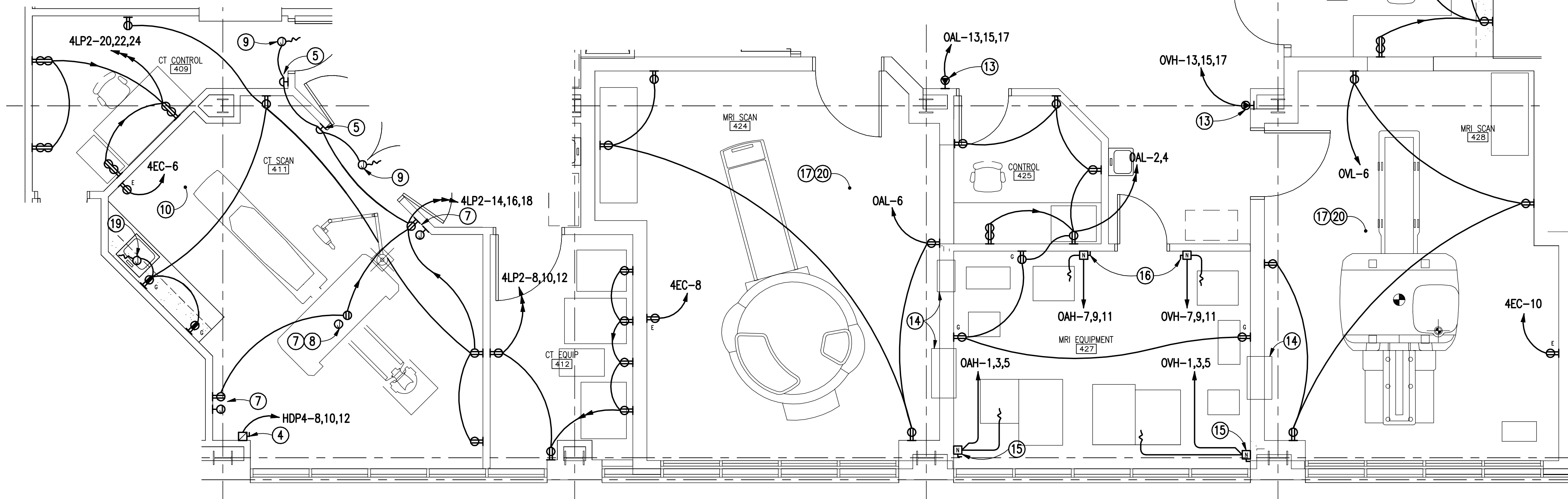
D
one-half inch = one foot

C
three-quarters inch = one foot

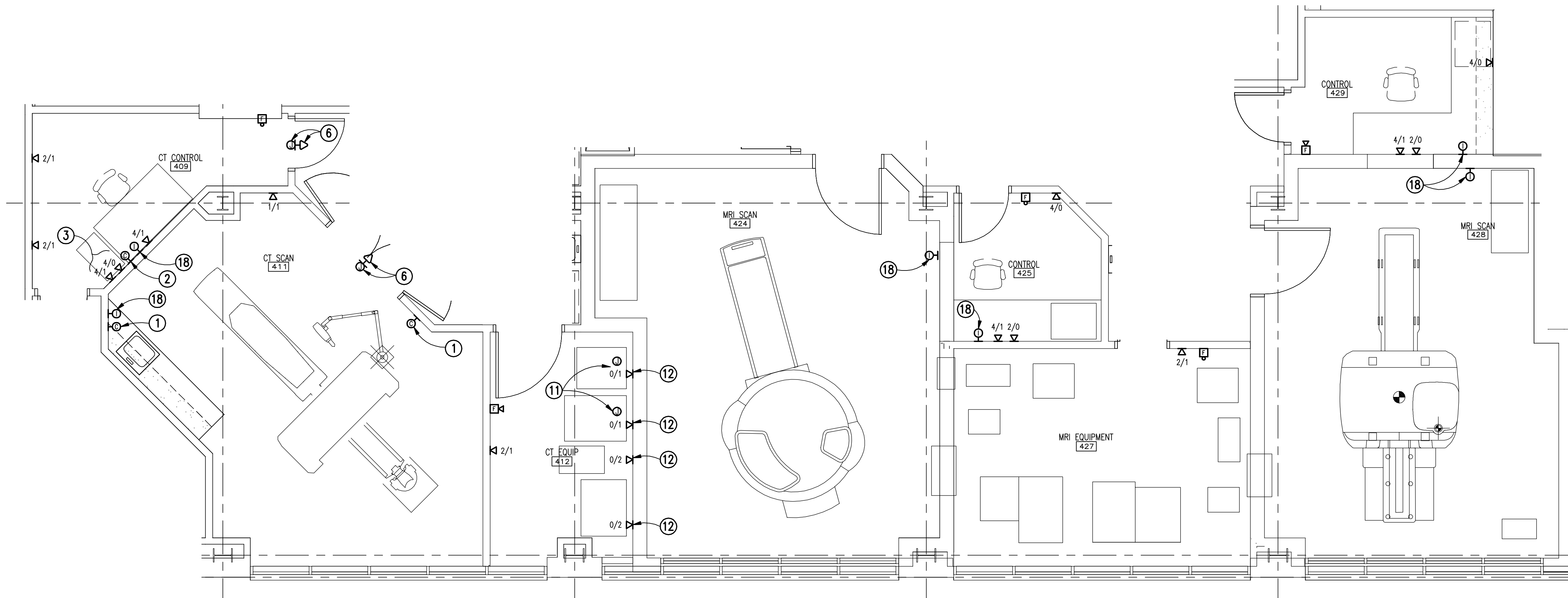
B
one inch = one foot

A
one and one-half inches = one foot

three inches = one foot



NEW WORK ELECTRICAL CT AND MRI SUITES
FOURTH FLOOR PLAN - POWER
SCALE: 1/4" = 1'-0"



NEW WORK ELECTRICAL CT AND MRI SUITES
FOURTH FLOOR PLAN - SPECIAL SYSTEMS
SCALE: 1/4" = 1'-0"

NOTE TO CONTRACTOR:

(BASIS OF DESIGN)

- EXACT ELECTRICAL REQUIREMENTS FOR CT SCAN, MRI SCAN, MRI CONTROL AND MRI EQUIPMENT SPACES SHALL BE COORDINATED WITH EXACT EQUIPMENT PROVIDED BY VA AND INSTALLED BY CONTRACTOR.
 - BASIS OF DESIGN FOR CT SCAN (SPACE 410) IS TOSHIBA AQUILION-ONE VISION, AND ALL APPROPRIATE EQUIPMENT FOR OPERATION.
 - BASIS OF DESIGN FOR MRI SCAN - CLOSED (SPACE 424) IS HITACHI OASIS, AND ALL APPROPRIATE EQUIPMENT FOR OPERATION.
 - BASIS OF DESIGN FOR MRI SCAN - OPEN (SPACE 428) IS HITACHI OVAL, AND ALL APPROPRIATE EQUIPMENT FOR OPERATION.
- ALL CONDUIT, CONDUCTORS, STRAPS, SCREWS, FASTENERS, ETC. INSTALLED INSIDE MRI WORKING SPACES/INSIDE MRI SHIELDING SHALL BE OF NON-MAGNETIC MATERIALS.
- ALL RECEPTACLES IN MRI SCAN ROOMS, MRI CONTROL ROOMS, AND MRI EQUIPMENT ROOMS SHALL HAVE ISOLATED GROUND.
- CONTRACTOR TO REFER TO MRI AND CT VENDOR DRAWINGS INCLUDED IN CONTRACT DOCUMENTS FOR EXACT WORK TO BE PERFORMED. ALL REFERENCE TO ELECTRICAL CONTRACTOR, GENERAL CONTRACTOR OR CONTRACTOR IS TO BE PERFORMED BY THIS CONTRACTOR AND INCLUDED IN BID.
- CONTRACTOR SHALL PROVIDE WRITTEN DOCUMENTATION TO C.O.R., PRIOR TO BEGINNING WORK, TO VERIFY THAT ALL ELECTRICAL WORK ASSOCIATED WITH SELECTED MRI AND CT EQUIPMENT HAS BEEN COMPLETELY COORDINATED AND UNDERSTOOD FOR A COMPLETE AND OPERABLE SYSTEM.

NEW WORK KEYED NOTES:

(THIS DRAWING ONLY)

- PROVIDE JUNCTION BOX WITH 3/4" EMPTY CONDUIT TO CONTROL AREA CCTV MONITOR LOCATION. FOR CCTV CAMERA LOCATION. COORDINATE EXACT MOUNTING HEIGHT AND LOCATION.
- PROVIDE JUNCTION BOX FOR CCTV MONITOR. COORDINATE EXACT MOUNTING HEIGHT AND LOCATION.
- PROVIDE 2 DATA/TELECOMMUNICATIONS OUTLETS FOR PACS UNIT.
- 150 AMP/3 POLE ENCLOSED CIRCUIT BREAKER WITH ADJUSTABLE TRIP. SHUNT TRIP. ROUTE 2" CONDUIT FROM ENCLOSED BREAKER TO FLOOR DUCT ROUTED IN SPACE.
- EMERGENCY POWER OFF PUSHBUTTON STATION. MAKE ALL CONNECTIONS TO SHUNT TRIP AT ENCLOSED BREAKER MAIN DISCONNECT IN SPACE.
- CONTRACTOR SHALL PROVIDE A WARNING LIGHT WITH WORDING "CT IN USE. DO NOT ENTER". PROVIDE WITH MAGNETIC DOOR LOCK TO PREVENT INTERRUPTION OF SCANNING PROCEDURE. PROVIDE DOOR SWITCH CONTACTS TO SHUT OFF OPERATION OF CT EQUIPMENT IF DOOR IS OPEN. INTERLOCK WITH MAIN CT EQUIPMENT DISCONNECT.
- PROVIDE LASER POSITIONING LIGHT INTERLOCKED WITH ROOM LIGHTING AND SET-UP LIGHTS. PROVIDE ADJACENT RECEPTACLE, COORDINATE EXACT MOUNTING LOCATION.
- MOUNT AT CEILING.
- POWER CONNECTION TO EMERGENCY LIGHT/DOOR SWITCH SYSTEM. COORDINATE EXACT LOCATION AND REQUIREMENTS.
- CONTRACTOR SHALL PROVIDE MULTI-COMPARTMENT SURFACE WALL DUCT (3-1/2"D X 4-3/4"W MIN.) FOR ROUTING OF CT EQUIPMENT CABLING AND POWER. PROVIDE A FLUSH MOUNTED MULTI-COMPARTMENT FLOOR DUCT (3-1/2"D X 12"W MIN.) UNDER CT EQUIPMENT. CONNECT FLOOR DUCT WITH WALL DUCT WITH SURFACE MOUNTED, VERTICAL WALL DUCT (3-1/2"D X 10"W MIN.). ROUTING OF WALL DUCT SHALL BE CONTINUOUS FROM BEHIND CT CONTROL EQUIPMENT IN SPACE 409, AROUND WALL IN CT SCAN 410, AND BEHIND CT EQUIPMENT IN 411. COORDINATE EXACT ROUTING AND LOCATIONS OF ALL DUCT SYSTEMS WITH CT MANUFACTURERS AND THEIR RECOMMENDATIONS.
- PROVIDE FIBER OPTIC AND DATA CONNECTIONS TO CT EQUIPMENT. EXACT REQUIREMENTS TO BE COORDINATED WITH CT EQUIPMENT MANUFACTURER.
- PROVIDE DATA CONNECTIONS TO CT EQUIPMENT. EXACT REQUIREMENTS TO BE COORDINATED WITH CT EQUIPMENT MANUFACTURER.
- 30 AMP/3 POLE, 480V, NEMA L16-30 RECEPTACLE FOR USE WITH RAMP-UP TOOL TO INITIALIZE MAGNETIC FIELD.
- FILTER PANEL LOCATION TO BE DETERMINED BY MRI MANUFACTURER.
- 100 AMP/3 POLE NON-FUSED DISCONNECT. MAKE ALL CONNECTIONS TO MRI EQUIPMENT AS REQUIRED.
- 30 AMP/3 POLE NON-FUSED DISCONNECT. MAKE ALL CONNECTIONS TO HEAT EXCHANGER AS REQUIRED.
- CONTRACTOR SHALL PROVIDE AND INSTALL EXTENSIVE WIREWAY SYSTEM FOR CONNECTION OF ALL MRI EQUIPMENT IN SPACE. REFER TO HITACHI MANUFACTURER BASIS OF DESIGN SHEETS FOR EXACT REQUIREMENTS AND LOCATIONS.
- PROVIDE JUNCTION BOX WITH 3/4" EMPTY CONDUIT TO CONTROL AREA FOR INTERCOM. COORDINATE EXACT MOUNTING HEIGHT AND LOCATION.
- POWER CONNECTION TO INFARED FAUCET PROVIDED AT SINK. COORDINATE EXACT POWER REQUIREMENTS AND MAKE ALL CONNECTIONS AS REQUIRED.
- CONTRACTOR SHALL PROVIDE AND MAKE ALL CONNECTIONS AS REQUIRED FOR COMPLETE INSTALLATIONS OF MRI SCAN EQUIPMENT. COORDINATE WITH MRI MANUFACTURER DRAWINGS FOR COMPLETE INSTALLATION REQUIREMENTS.

FINAL SUBMITTAL

Revisions:	Date

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Drawing Title:
NEW WORK ELECTRICAL FOURTH FLOOR PLANS POWER AND SPECIAL SYSTEMS
Approved: Project Director

Project Title:
EXPAND RADIOLOGY AND SPS OVERTON BROOKS VAMC
Location:
SHREVEPORT, LA
Date:
04-17-2015
Checked:
CBC
Drawn:
SJB

Project Number:
667-083
Building Number:
1
Drawing Number:
EP401
Dwg. 153 of 160

OFFICE OF CONSTRUCTION AND FACILITIES MANAGEMENT
VA U.S. Department of Veterans Affairs